

ABSTRACT

[0047] Disclosed is a novel and improved dynamically programmable linear receiver which provides the required level of system performance with reduced power consumption. In one embodiment, disclosed is a programmable receiver coupled to a jammer detector for detecting the presence of jamming in an RF signal, the jammer detector coupled to a state machine, and the state machine having means for controlling the receiver based on the results of the jammer detector detecting the presence of jamming in the RF signal. The disclosed receiver is capable of detecting the presence of jammers, with a means to adjust the bias current downward if no jammers are present, which improves the receiver's standby time and prolongs battery life.